

File Retrieval

Standard retrieval functions are described in the section Retrieval in the **Predict Reference documentation**.

File Retrieval Screen

The file Retrieval screen below is called with function code R and object code FI in a Predict main menu or with command RETRIEVE FILE.

13:37:40	***** P R E D I C T 4.2.2 *****	2002-07-31												
Plan 10	- (FI) File Retrieval -	Profile HNO												
<table border="0"> <tr> <td>Retrieval Type</td> <td>Retrieval Type</td> </tr> <tr> <td>D Files</td> <td>B Files with parents</td> </tr> <tr> <td>E Execute retrieval models</td> <td>O Files with no parent</td> </tr> <tr> <td>C Dummy/Placeholder files</td> <td>T Files with children</td> </tr> <tr> <td>A Difference of files</td> <td>U Files with no child</td> </tr> <tr> <td></td> <td>R Files related to a file</td> </tr> </table>			Retrieval Type	Retrieval Type	D Files	B Files with parents	E Execute retrieval models	O Files with no parent	C Dummy/Placeholder files	T Files with children	A Difference of files	U Files with no child		R Files related to a file
Retrieval Type	Retrieval Type													
D Files	B Files with parents													
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	R Files related to a file													
Retrieval type ...														
Output mode* L List														
File ID														
Files of type*														
Contained in DA ..														
File number														
External name														
Restrictions* Profile HNO,used														
Model*														
Output options ..* Profile HNO														
Association* EL														
Command ==>														
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---														
Help Next Stop Last LnkEl Flip Print Impl AdmFi SelFi Prof Main														

File-specific Retrieval Parameters

Parameters	
Contained in DA	Restricts the scope of functions to files and userviews contained in the specified database.
Files of type	Restricts the scope of functions to files of the type specified. An asterisk displays a selection window with the valid file types. See File Type for a list.
File number	Restricts the scope of functions to files with this number.
External name	Name of the physical implementation (DSN, Table names). Can have up to 250 characters, but only the first 50 are evaluated by Predict retrieval functions.

File-specific Retrieval Functions

Difference of Files - Code A

This function compares files and displays the differences. The file attributes, the fields and the field attributes can be compared. The fields are compared using the field ID.

If a userview is compared with its master file, however, the fields are compared by two-character Short name. The userview is always taken as first file, irrespective of which file is entered under First File ID.

A screen appears for entering the names of two files and selecting the attributes to be compared.

Command: DIFFERENCE FILE.

```

13:45:50          ***** P R E D I C T 4.2.2 *****          2002-07-31
Plan 10          - Difference of Files -

First File ID ..... HNO-FI1
Second File ID ....

Options
List Fields .....* D Differences only
Compare File attributes ..... N (Y,N)

Mark Field attributes which should be compared.
X the order          X the existence
X abstract           X owner IDs          X keywords
X description        X Field name synonyms X standard File
X verifications      X ADABAS attributes  X Field definition
X NATURAL attributes X specification for 3GL X VSAM attributes

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help  Next  Stop  Last  LnkEl Flip  Print Impl  AdmFi SelFi Prof  Main

```

Parameters	
First file ID, Second file ID	The names of the files to be compared. Asterisk notation can be used to compare one file with many files or two sets of files.
Options	
List fields	<p>Determines how the result of the comparison operation is to be displayed:</p> <p>A all fields are listed and differences are marked</p> <p>D only fields with differences are listed</p> <p>N a message indicates if differences were found.</p>
Compare file attributes	<p>Y File definitions are to be compared.</p>
Field attributes to be compared	

the order	<p>Differences in the order of fields in a file.</p> <p>Note: The system checks for each field in the list whether the previous field of file 1 is identical to the previous field of file 2. Redefinitions are ignored in the check for previous field. In the example below, EL1 is regarded as previous field of EL2 for both files</p> <table><tr><th colspan="2">FIRST_FILE</th><th colspan="2">SECOND_FILE</th></tr><tr><th colspan="2">-----</th><th colspan="2">-----</th></tr><tr><th>Ty</th><th>L Field ID</th><th>Ty</th><th>L Field ID</th></tr><tr><th colspan="2">-----</th><th colspan="2">-----</th></tr><tr><td>1</td><td>EL_1</td><td>1</td><td>EL_1</td></tr><tr><td>RE 1</td><td>EL_1</td><td>RE 1</td><td>EL_1</td></tr><tr><td>2</td><td>EL_11</td><td>2</td><td>EL_12</td></tr><tr><td>2</td><td>EL_12</td><td>2</td><td>EL_11</td></tr><tr><td>1</td><td>EL_2</td><td>1</td><td>EL_2</td></tr></table> <p>However, the difference in the order of the redefinitions is recognized and the message "Redefinitions are different" is given.</p>	FIRST_FILE		SECOND_FILE		-----		-----		Ty	L Field ID	Ty	L Field ID	-----		-----		1	EL_1	1	EL_1	RE 1	EL_1	RE 1	EL_1	2	EL_11	2	EL_12	2	EL_12	2	EL_11	1	EL_2	1	EL_2
FIRST_FILE		SECOND_FILE																																			
-----		-----																																			
Ty	L Field ID	Ty	L Field ID																																		
-----		-----																																			
1	EL_1	1	EL_1																																		
RE 1	EL_1	RE 1	EL_1																																		
2	EL_11	2	EL_12																																		
2	EL_12	2	EL_11																																		
1	EL_2	1	EL_2																																		
the existence	A message is issued if a field exists only in one file.																																				
abstract	Abstract of fields.																																				
owner IDs	Owners of fields.																																				
keywords	Keywords of fields.																																				
description	The description of fields.																																				
Field name synonyms	Field-name-synonyms, language-synonym-names.																																				
Standard file	Standard file, non-standard definition.																																				
Verifications	Verifications linked to fields.																																				
Adabas attributes	Security access level, security update level.																																				
Field definition	Descriptor type, level number, field format, character set, field length, field type, max. occurrences, unique option, suppression option, user exit, Adabas EDIT mask, IMS offset, IMS variable field, DB2 field procedure, DB2 field parameter, DB2 master file, DB2 master field, DB2 index cluster, DB2 index subpage, DB2 index bufferpool.																																				
Natural attributes	Edit mask, field headings.																																				
specification for 3GL	Init value, justify, condition names, index name, depend name, Gr. structure.																																				
VSAM attributes	Alternate index name, VSAM flags.																																				

Note:

This command can also be performed in batch mode. See the section Predict Commands in the **Predict Reference documentation** for a list of keywords and parameters. These keywords are not available online.

Files Related to a File - Code R

Certain files are considered to be logically related. For example, Adabas files and userviews; VSAM files and VSAM userviews; logical VSAM files and their userviews. This function displays the following relationships of files:

- master files with their userviews
- userviews with their master files and other userviews of these master files.

For physical VSAM files also the related logical VSAM files are listed, for IMS segments also the IMS segment layouts.

Command: RELATED FILE.

Layout of File Lists

13:46:22		***** P R E D I C T 4.2.2 *****				2002-07-31	
		- List Files -				Page: 1	
Cnt	File ID	Type	Fnr	DDM	Impl	Other	
1	A	S					
2	* A-ADDR-File	A	59		A		
3	* A-ANSP-File	A	84		A		
4	A-File	A	1				
5	A-U-File	U	1				
6	Az-a-File	A	54				
7	AA-TD	D					
8	AA-TS	S					

Meaning of Columns	
File ID	ID of the file definition.
Type	File types and their codes are listed in the section File Type.
Fnr	The physical file number. Only applicable for Adabas files.
DDM	An asterisk in this column indicates either that a Natural data definition module has been generated for the file or that the file has been used by either Adabas Native SQL or the Predict Preprocessor.
Impl	How a file is implemented: A The file has been loaded into Adabas C ADACMP definitions have been generated for the file D The file has been implemented in DB2 U UDFs have been generated for the file (IMS) S Vista translation table generated
Other	An asterisk in this column indicates that at least one copy code member for Assembler, C, COBOL, FORTRAN or PL/I or at least one ADAINV or ADASCR card member has been generated for the file.

Output Options for File Retrieval

Note:

Unless output mode is S, the option Cover page is always valid.

Note:

Page size is only applicable when printing or if general default parameter "Use SAG Editor for output" is set to Y.
Page size is not applicable in batch mode.

Retrieval Type	D		B				O		T							
									dummies=Y N				dummies=D P			
Output Mode	D	L	D	L	D	L	D	L	D	L	D	L	D	L	D	L
Current/Related	c	c	c	r	c	r	c	c	c	r	c	r	c	r	c	r
Adabas attributes	Y		Y				Y		Y				Y			
Association attributes			Y	Y	Y	Y			Y	Y	Y	Y				
Attributes	Y		Y				Y		Y				Y			
Check expression	Y		Y				Y		Y				Y			
Composed Fields										Y		Y				
Connecting character				Y						Y						

Retrieval Type	D		B				O		T							
									dummies=Y N				dummies=D P			
Output Mode	D	L	D				D	L	D				L			
Current/Related	c	c	c	r	c	r	c	c	c	r	c	r	c	r	c	r
Description	Y		Y	Y			Y		Y	Y			Y			
Display length										Y		Y				
Display modifier	Y		Y				Y		Y				Y			
Dummy/Placeholder										Y		Y		Y		Y
DV-Field expression										Y						
Extract	Y		Y	Y			Y		Y	Y			Y	Y		
Generation layout										Y		Y				
Adabas version										Y		Y				
Language										Y		Y				
Alignment/sync.										Y		Y				
Position/Offset										Y		Y				
Counter length										Y		Y				
Compiler										Y		Y				
Replace with syn.										Y		Y				
Keywords	Y		Y	Y			Y		Y	Y			Y			
Linked Verification										Y						
Mark implementation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	
No. abstract lines	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	
Owner	Y		Y	Y			Y		Y	Y			Y			
With users	Y		Y	Y			Y		Y	Y			Y			
Show implementation	Y		Y				Y		Y				Y			
Subquery	Y		Y				Y		Y				Y			
Synonyms										Y		Y				
Trigger	Y		Y				Y		Y				Y			
Use Con-form	Y		Y				Y		Y				Y			
User exit	Y		Y				Y		Y				Y			
Vista elements	Y		Y				Y		Y				Y			
3GL specification										Y						

Output Options for File Retrieval - Continued

Retrieval Type	U		E				C				R	
Output Mode	D	L	T		X		L		D		L	
Current/Related	c	c	c	r	c	r	c	r	c	r	c	r
Adabas attributes	Y											
Association attributes			Y	Y								
Attributes	Y			Y		Y						
Check expression	Y											
Composed Fields												
Connecting character				Y		Y				Y		
Description	Y					Y				Y		
Display length												
Display modifier	Y											
Dummy/Placeholder				Y		Y	Y		Y			
DV-Field expression												
Extract	Y			Y		Y			Y	Y		
Generation layout												
Adabas version												
Language												
Alignment/sync.												
Position/Offset												
Counter length												
Compiler												
Replace with syn.												
Keywords	Y			Y		Y				Y		
Linked Verification												
Mark implementation	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y
No. abstract lines	Y	Y		Y		Y		Y		Y	Y	Y
Owner	Y			Y		Y				Y		
With users	Y									Y		
Show implementation	Y											
Subquery	Y											
Synonyms												
Trigger	Y											
Use Con-form	Y					Y				Y		
User exit	Y											
Vista elements	Y											

Retrieval Type	U		E				C				R	
Output Mode	D	L	T		X		L		D		L	
Current/Related	c	c	c	r	c	r	c	r	c	r	c	r
3GL specification												